Options

The DT180P/ DT180T is designed to work with a range of custom and off-the-shelf options to enhance its applicability for various deployments.

- Built-in wireless LAN, with external antenna

SPECIFICATIONS

System	
Processor	**DT180P:** Intel® Core™ 2 Duo, 2.26GHz **DT180T:** Intel® Celeron® T3100, 1.9GHz
GPU	Intel® GM45
Memory (RAM)	2GB
Storage	8GB, 32GB or 64GB Flash
Operating Systems	Microsoft® Windows® XP Embedded, Windows® Embedded Standard 7, Windows® 7 Pro or Windows® XP Pro for Embedded Systems
Display Resolution	Up to 1920 x 1080
Network Interface	10/ 100/ 1000Mb BaseT LAN; Wi-Fi 802.11a/b/g or Wi-Fi 802.11a/b/g/n (optional)
Expansion	PCI Express; USB
Input/Output Ports	1 VGA port; 1 HDMI port; 1 COM port; 18.5V DC-in jack; 2 Audio jacks (Microphone-in, Line-in, Headphone-Out jacks); 2 USB 2.0 ports; RJ45 connector for Ethernet; Wi-Fi dipole antenna (optional)
Power	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 18.5V DC
Mechanical	
Enclosure	Aluminum + steel
Dimensions (H x W x D)	2.16 x 5.82 x 6.5 in/ 55 x 148 x 165.1 mm
Weight	2.9 lbs/ 1316 g
Environmental	
Regulatory	FCC Class B, CE, C-Tick, UL, RoHS compliant
Temperature	**Operation:** 0°C - 40°C; **Storage:** -20°C - 60°C
Humidity	0% - 90% non-condensing

* Specifications subject to change without notice.

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DT Research

Embedded Controller/ System

DT180P/ DT180T

BASIC OPERATION GUIDE

ENGLISH

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of Embedded Controller/ System devices - the DT180P/ DT180T, featuring compact, robust construction powered by the high-performance and energy efficient Intel® Core™2 Duo processor. The DT180P/ DT180T supports major embedded operating systems as well as Microsoft® Windows® XP Embedded, Windows® Embedded Standard 7, Windows® 7 Pro or Windows® XP Pro and provides complete solutions for a variety of computing needs. The user is offered a choice of software solutions on a platform characterized by the following:

- High-integration and energy-efficient processor technology
- Expanded graphics capabilities for multimedia applications
- Robust construction for reliable operation
- Cost-effective computing in compact and versatile packaging

Package Contents

1. DT180P/ DT180T
2. AC/DC Power Adapter
3. VESA Bracket
4. Basic Operation Guide

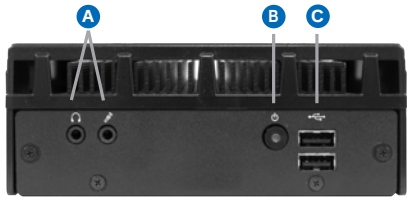
Note: The actual package contents may vary depending on the configuration acquired.

Precautions

- Always exercise care when operating and handling the DT180P/ DT180T.
- Never disassemble any portion of the enclosure. It will void any product warranty on the DT180P/ DT180T.
- Do not use any AC/DC adapter other than the one provided with the device or acquired from the manufacturer or its partners.
- In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power down the DT180P/ DT180T and disconnect all power sources.
- Please report the problem to your device provider immediately.

THE DT180P/ DT180T

Front View



A Audio jacks
B Power button
C USB 2.0 (2)

Rear View

D Ethernet port
E HDMI port
F VGA port
G RS232 COM port
H DC-in

Powering ON and OFF

The Power Button is located in the front of the DT180P/ DT180T. The Power Button may be configured to function differently depending on the power options of the operating system. In general, to turn the DT180P/ DT180T on, push and release the Power Button on the front bezel. The adjacent power LED will be lit (blue) and the corresponding interface will be displayed on the display monitor.

To turn off the device, again depending on software operating system, push and release the Power Button or use a software shutdown interface. In the event of system lockup, the Power Button may be used to perform a reset on the device. To do that, push and hold the Power Button for at least 4 seconds. The system will shut down and all unsaved work may be lost. Pushing on the Power Button again will restart the device.

Device Ports

The DT180P/ DT180T features an optimal set of I/O ports while preserving the compact size of the system. The HDMI connector, Network (10/100/1000 BaseT Ethernet), and Power ports are supplemented by a set of two USB 2.0 and two Audio ports. Through its USB ports, the DT180P/ DT180T supports a wide range of USB-based peripherals. These peripherals are applicable in providing the means for software installation, application storage, data storage, and system software recovery and updates.

Memory and Storage

The DT180P/ DT180T may be available in storage configurations ranging 8GB of flash memory or 32GB to 64GB SSD. Depending on base software configuration, the user may use the internal memory of the DT180P/ DT180T for user's installed software and storage. The user may also supplement storage space with USB-based peripherals such as flash disks, disk drives, etc. RAM capacity is up to 2GB.

VESA Mounting Bracket Installation Guide for DT180P/ DT180T

The DT180P/ DT180T package includes a VESA-compliant mounting bracket (1) which mounts the DT180P/ DT180T (2) onto a VESA-compatible monitor or display.

NOTE: The VESA Mounting Bracket is compatible with most displays and monitors that support the VESA standard.

Step1:

- Locate the existing mounting holes on the monitor.
- Line the bracket holes up with the holes on the back of the monitor, as shown to the right.
- Place the screws to hold the mounting bracket in place and tighten the screws (do not over-tighten).

Step2:

- Remove the two M3 screws (3) originally on the DT180P/ DT180T signage appliance.
- Place the DT180P/ DT180T (2) on the bracket rail with the interface ports side facing downwards so that the two mounting holes on the appliance are aligned with the existing holes on the rail (see picture).

Step3:

- Apply and tighten the screws into their original locations and make sure that the bracket and the DT180P/ DT180T are properly secured.